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☐ 1. Document ID: US 20020192638 A1

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L2: Entry 1 of 5

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192638

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020192638 A1

TITLE: Method for preparing cell cultures from biological specimens for chemotherapeutic and other assays

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kornblith, Paul L.	Pittsburgh	PA	US	

US-CL-CURRENT: 435/4; 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20020168679 A1

L2: Entry 2 of 5

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168679

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020168679 A1

TITLE: STAINING AGENTS AND PROTOCOLS FOR CHARACTERIZING MALIGNANT CELLS IN CULTURE

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
NAUS, GREGORY J.	OAKMONT	PA	US	
KORNBLITH, PAUL L.	PITTSBURGH	PA	US	
BURHOLT, DENNIS R.	PITTSBURGH	PA	US	
MEYER, MICHAEL P.	CARNEGIE	PA	US	

US-CL-CURRENT: [435/7.1](#); [530/387.1](#)

## ABSTRACT:

An improved system for screening a multiple of candidate therapeutic or chemotherapeutic agents for efficacy as to a specific patient, in which a tissue sample from the patient is harvested, cultured and separately exposed to a plurality of treatments and/or therapeutic agents for the purpose of objectively identifying the best treatment or agent for the particular patient. Specific method innovations such as tissue sample preparation techniques render this method practically as well as theoretically useful. The identity of the malignant cells in culture is advantageously confirmed using binding reagents/staining systems specific for epithelial cells, since carcinomas are ubiquitously epithelial in nature. Cells of interest and thus confirmed as epithelial/carcinoma may then be assayed for sensitive to an infinite variety of malignancy treating agents including chemotherapeutic agents, radiation, immunotherapy, and so on.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20010051353 A1

L2: Entry 3 of 5

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051353

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051353 A1

TITLE: METHOD FOR USING MULTICELLULAR PARTICULATES TO ANALYZE MALIGNANT OR HYPERPROLIFERATIVE TISSUE

PUBLICATION-DATE: December 13, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<a href="#">KORNBLITH, PAUL L.</a>	PITTSBURGH	PA	US	

US-CL-CURRENT: [435/29](#); [435/261](#), [435/30](#), [435/32](#), [435/803](#)

## ABSTRACT:

A comprehensive and integrated system for monitoring (identifying, tracking and analyzing) an individual patient's malignancy through the duration of a malignancy as to a specific patient is provided. The method of the present invention allows for initial identification of a malignancy, identification of malignancy-specific cellular or secretal markers, identification of cellular or secreted markers indicative of complications, study of the invasiveness and aggressiveness of the malignancy, study of the growth rate of the malignancy, study of the effect of therapies on the malignancy as compared to control cells of the same patient (chemosensitivity versus toxicity) and the identification of a therapeutic index (i.e., the ratio of chemosensitivity:toxicity), study of tumor morphology and study of histological, cytochemical and immunocytochemical markers.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 4. Document ID: US 6416967 B2

L2: Entry 4 of 5

File: USPT

Jul 9, 2002

US-PAT-NO: 6416967

DOCUMENT-IDENTIFIER: US 6416967 B2

TITLE: Method of using multicellular particulates to analyze malignant or hyperproliferative tissue

DATE-ISSUED: July 9, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kornblith; Paul L.	Pittsburgh	PA		

US-CL-CURRENT: 435/29; 435/30

## ABSTRACT:

A comprehensive and integrated system for monitoring (identifying, tracking and analyzing) an individual patient's malignancy or hyperproliferative syndrome through the duration of a malignancy or hyperproliferative syndrome as to a specific patient is provided. Specimens of a patient's cells are collected and mechanically separated into cohesive multicellular particulates. A tissue culture monolayer is grown from the multicellular particulates to form a prime culture, and the tissue culture is monitored over a period of time. The invention allows for study of the effect of various treatment methods on cellular production of vascular endothelial growth factor.

22 Claims, 34 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 5. Document ID: US 5728541 A

L2: Entry 5 of 5

File: USPT

Mar 17, 1998

US-PAT-NO: 5728541

DOCUMENT-IDENTIFIER: US 5728541 A

TITLE: Method for preparing cell cultures from biological specimens for chemotherapeutic and other assays

DATE-ISSUED: March 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kornblith; Paul L.	Pittsburgh	PA		

US-CL-CURRENT: 435/29; 435/261, 435/30, 435/32

## ABSTRACT:

An improved system for screening a multiple of candidate therapeutic or chemotherapeutic agents for efficacy as to a specific patient, in which a tissue sample from the patient is harvested, cultured and separately exposed to a plurality of treatments and/or therapeutic agents for the purpose of objectively identifying the best treatment or agent for the particular patient. The system includes the initial preparation of cohesive multicellular particulates of the tissue sample, rather than enzymatically dissociated cell suspensions or preparations, for initial tissue culture monolayer preparation. Practical monolayers of cells may thus be formed to enable meaningful screening of a plurality of treatments and/or agents. By subjecting uniform samples of cells to a wide variety of active agents (and concentrations thereof), the most promising agent and concentration for treatment of a particular patient can be determined. For assays concerning cancer treatment, a two-stage evaluation is contemplated in which both acute cytotoxic and longer term inhibitory effect of a given anti-cancer agent are investigated.

7 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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PAULS	1201
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